

Gencore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

DOM nucleic - nucleic search, using sw model

Run on: December 6, 2002, 21:31:46 ; Search time 51.5 Seconds
(Without alignments)
11546.552 Million cell updates/sec

Title: US-10-025-514-7

perfect score: 1525 sequence: 1 tcttagaccatgtctggaaa.....ccaaactcaagaatgtcgac 1525

Scoring table: IDENTITY_NUC Gapext 1.0

Post-processing: Minimum Match 0% Maximum Match 100%

Number of hits satisfying chosen parameters: 7000850

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Listing first 45 summaries

Published_Applications_NA : *	Score	Query	Match	Length	DB	ID	Description
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*	442.4	29.0	1345	10	US-09-782-378A-13		Sequence 13, Appl
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*	433.2	28.4	1352	10	US-09-964-824A-545		Sequence 545, App
3: /cgn2_6/ptodata/1/pubpna/US06_PUB.seq:*	433.2	28.4	1377	10	US-09-964-824A-544		Sequence 544, App
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*	411.2	27.0	1390	10	US-09-965-231A-19		Sequence 19, Appl
5: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*	224	14.7	594	10	US-09-964-824A-582		Sequence 582, App
6: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*	224	14.7	594	10	US-09-964-456-1989		Sequence 1989, Ap
7: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*	224	14.7	594	10	US-09-965-812-1		Sequence 1, Appl
8: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	219.2	14.4	1422	10	US-09-880-107-2020		Sequence 2020, Ap
9: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	216.6	14.2	1714	10	US-09-917-800A-1421		Sequence 1421, Ap
10: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	192.8	12.6	1872	10	US-09-980-107-2257		Sequence 2257, Ap
11: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	192.8	12.6	1245	10	US-09-975-665-13		Sequence 13, Appl
12: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	182.6	12.0	2051	10	US-09-917-900A-1325		Sequence 1325, Ap
13: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	161	10.6	391	10	US-09-960-352-12487		Sequence 12487, A
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	146.4	9.6	430	10	US-09-960-352-10531		Sequence 10531, A
15: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	135.8	8.9	444	10	US-09-960-352-14649		Sequence 14649, A
16: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	135.6	8.9	418	10	US-09-960-352-7066		Sequence 7066, Ap
17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	134.2	8.8	1710	9	US-09-912-638-3		Sequence 3, Appl
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	126.2	8.3	1632	9	US-09-912-638-3		Sequence 3, Appl
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*	125.4	8.2	430	10	US-09-960-352-5191		Sequence 5191, Ap

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	442.4	29.0	1345	10	US-09-782-378A-13		Sequence 13, Appl
2	433.2	28.4	1352	10	US-09-964-824A-545		Sequence 545, App
3	433.2	28.4	1377	10	US-09-964-824A-544		Sequence 544, App
4	411.2	27.0	1390	10	US-09-965-231A-19		Sequence 19, Appl
5	224	14.7	594	10	US-09-964-824A-582		Sequence 582, App
6	224	14.7	594	10	US-09-964-456-1989		Sequence 1989, Ap
7	224	14.7	594	10	US-09-965-812-1		Sequence 1, Appl
8	219.2	14.4	1422	10	US-09-880-107-2020		Sequence 2020, Ap
9	216.6	14.2	1714	10	US-09-917-800A-1421		Sequence 1421, Ap
10	192.8	12.6	1872	10	US-09-980-107-2257		Sequence 2257, Ap
11	192.8	12.6	1245	10	US-09-975-665-13		Sequence 13, Appl
12	182.6	12.0	2051	10	US-09-917-900A-1325		Sequence 1325, Ap
13	161	10.6	391	10	US-09-960-352-12487		Sequence 12487, A
14	146.4	9.6	430	10	US-09-960-352-10531		Sequence 10531, A
15	135.8	8.9	444	10	US-09-960-352-14649		Sequence 14649, A
16	135.6	8.9	418	10	US-09-960-352-7066		Sequence 7066, Ap
17	134.2	8.8	1710	9	US-09-912-638-3		Sequence 3, Appl
18	126.2	8.3	1632	9	US-09-912-638-3		Sequence 3, Appl
19	125.4	8.2	430	10	US-09-960-352-5191		Sequence 5191, Ap

20	124.2	8.1	388	10	US-09-960-352-7567
21	123.2	8.1	439	10	US-09-960-352-10330
22	123	8.1	2089	9	US-09-992-293A-409
23	123	8.1	2089	9	US-09-989-722A-409
24	123	8.1	2089	10	US-09-989-722A-409
25	123	8.1	2089	10	US-09-989-723A-409
26	123	8.1	2089	10	US-09-989-723A-409
27	123	8.1	2089	10	US-09-989-727A-409
28	123	8.1	2089	10	US-09-989-731A-409
29	123	8.1	2089	10	US-09-989-732A-409
30	123	8.1	2089	10	US-09-991-073A-409
31	123	8.1	2089	10	US-09-991-073A-409
32	123	8.1	2089	10	US-09-991-163A-409
33	123	8.1	2089	10	US-09-993-60A-409
34	123	8.1	2089	10	US-09-995-409A-409
35	123	8.1	2089	10	US-09-989-721A-409
36	121.8	8.0	1585	10	US-09-765-231A-18
37	120	7.9	421	10	US-09-960-352-11596
38	118.4	7.8	433	10	US-09-960-332-11306
39	118.2	7.8	541	10	US-09-964-761-17682
40	116.4	7.6	445	10	US-09-960-332-5918
41	115.8	7.6	412	10	US-09-960-352-1192
42	114.8	7.5	398	10	US-09-960-352-3113
43	113.4	7.4	418	10	US-09-960-352-2221
44	113	7.4	395	10	US-09-960-352-1468
45	113	7.4	403	10	US-09-960-352-17440

ALIGNMENTS

```

RESULT 1
US-09-782-378A-13
Sequence 13, Application US/09782378A
Patent No. US2001012731A1
GENERAL INFORMATION:
    APPLICANT: Hearing, Patrick
    APPLICANT: Bahou, Wadie
    APPLICANT: Sandalon, Ziv
    APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral vectors
FILE REFERENCE: STORY-B-04970
CURRENT APPLICATION NUMBER: US/09-782, 378A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/231,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 13
LENGTH: 1345
TYPE: DNA
ORGANISM: Homo sapiens

US-09-782-378A-13

Query Match          29.0%; Score 44.4
Best Local Similarity 59.9%; Pred. No. 3
Matches 740; Conservative 0; Mismatch 0

Qy   284 GGTGTTATGGTATGGTGTAGTCCTGGCAGCCGCGCTGTCGCGGG
Db   32 GTGGGSCATCCCTGGCAGCCGCGCTGTCGCGGG
Qy   344 TCAAGTAATTACTCCAAATTACGGAATTTAGCTGTTGCTGTTG
Db   92 CCAGGGAGAGCTGGCCAAAGCAGATACTCCCTGAGTCCTCCCTG
Qy   404 TAATAAAATTACTCCAAATTACGGAATTTAGCTGTTGCTGTTG
Db   152 CAACAGATCACCCCAACCTGGCTGAGTCCTCCCTG
Qy   464 TCAAAGTAATTCTACTACATTTAGTCCTGTTGCTGTTG
Db   212 CCAGTCCAAAGCAGCAATATCTCTCCCTGAGTCCTCCCTG

```

SUMMARIES							
Result No.	Score	Query Length	Match DB	ID	%	Description	
2: /cgn2_6/ptodata/1/pupbna/PCT_PUBCMB.seq.*							
3: /cgn2_6/ptodata/1/pupbna/US06_NEW_PUB.seq.*							
4: /cgn2_6/ptodata/1/pupbna/US06_NEW_PUB.seq.*							
5: /cgn2_6/ptodata/1/pupbna/PUBCOMB.seq.*							
6: /cgn2_6/ptodata/1/pupbna/US01_NEW_PUB.seq.*							
7: /cgn2_6/ptodata/1/pupbna/PUBCOMB.seq.*							
8: /cgn2_6/ptodata/1/pupbna/US08_NEW_PUB.seq.*							
9: /cgn2_6/ptodata/1/pupbna/US08_NEW_PUBCMB.seq.*							
10: /cgn2_6/ptodata/1/pupbna/US09_NEW_PUB.seq.*							
11: /cgn2_6/ptodata/1/pupbna/US09_PUBCOMB.seq.*							
12: /cgn2_6/ptodata/1/pupbna/US10_NEW_PUB.seq.*							
13: /cgn2_6/ptodata/1/pupbna/US10_PUBCOMB.seq.*							
14: /cgn2_6/ptodata/1/pupbna/US60_PUBCOMB.seq.*							

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Qy 524 GTTGGAGTTAGGTACTAAAGCGATAACCATGACGAGATTAGAAGGTTAACCTTAA 583
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 272 GCTCNCCTGGGACCAAGCTGACACTCACGTTAACATCTGGAGGCCCTGAATTCAA 331
 Qy 584 TTGACCGAAATCCCGAACGCCCCAAATTACAGGAGTTTCAAGAGTTGTTGAGAACCTT 643
 Db 332 OCTCAGGGAGATCCGGAGCTCATGGCTTCCAGGAACACTCTCGTACCCCT 391
 Qy 644 GAATCACCCGTATTCTCAATTCAATTAACTACTGGTAACGGTTTATTTTGTCGAGGG 703
 Db 392 AAACCCAGCACGCCAGCCACGGTCCACCTGACCGAACGGCAATGGCTTCCTGAGGG 451
 Qy 704 TTTAAAATGGTGCAGAAATTCCPAGAAACGTCAGAAACTATATCATAGTGGGCTT 763
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 452 CCTGAAAGCTAGTGGTAACTTGGAGATGUTAAAAGTGTAAATGATTAGTTGAGAA 823
 Qy 764 TACCGTAATTGGTGTGAGTACTGGAGGTTAAAAGCAAAATTAAATGATTAGTTGAGAA 571
 Db 512 CACTGTCACACTCGGGATCAGCGAACGAGCAAGAACGATTAACCGTGGGCAA 571
 Qy 824 AGGCCACGGGAAATGTCGTTGACTGTTGAGGAAATTAGATGTTGATACCGTCTTGC 883
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 572 GGACTTAAGGAAATTGGGATTGGTAAAGGAGCTTGGTACAGAGCACATTGTC 631
 Db 884 ATCTAGTAACTATATTTTCAAGGGTAAGTGGTAACTGGTCTTCAGGTAAAGATA 943
 Qy 632 TCAGGTGAAATTACATCTCTTAAAGCAAAATTGGGAAATGGTCAAGTCAAGGACAC 691
 Qy 944 TAGAGGAAGGATTTCATGTGATCAAGTTACTACTGTCAAGTCCCAATGATGAAAG 1003
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 692 CGAGGACCGAGACTTCACCGTGGACCGTGGACCGTGAAGGCCCCPATGATGAAGG 751
 Qy 1004 ACTGGGTATGTCATAATTCAACATGCCAAATAAATTAAGCTTCTGGCTTTAATGAA 1063
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 752 TTAGGCATGTTAACATCCGACTSTAAGAGCTGTCAGCTGGTACTGCTTAATGAA 811
 Qy 1064 GTATTTAGTAACCCCTACTGCTATTTTACAGACCAAGGTAAGGTCAACATT 1123
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 812 ATACCTGGGQAATGCCACGCCATCTCTTACCTGATAGGGAAACTACACCT 871
 Qy 1124 AGAGATGACTGACTCATGACATTACTAAATTAGAAGCAGGATCGTGTAG 1183
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 872 GAAAATGAATCACCACGATATCACACAGTCCTGGAAAATGAAGCAGAGGT 931
 Qy 1184 CGCTCTCICACCTGGCATACTAACGGTACTAACATCTGGTT 1243
 Db 932 TGCCAGCTTACATTAACCAACTGTCATATGGACCTATGAGGCTCCT 991
 Qy 1244 AGGCCAGTTAGTATTACCAAAAGTTCTACGGGSCCGATTGGTGTACTGA 1303
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 992 GGGTCAACTGGCATACTAACGGTACTAACATCTGGGTCAAGCA 1051
 Qy 1304 AGAACTCCATTAAATTGGTAAGCTTACAACGCCGCTTAACATGTGAA 1363
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 1052 GGAGGCACCCCTGANGCTCTCCAGGCCCTGCATAGGGTCTGACCATGAGAA 1111
 Qy 1364 GGTCAGGGCCGGGGCTTCAAGCTTACGGTCTTCAAGCTTACCATGCCAGA 1423
 Db 1112 GGGACTGTAAGCTGGCTGGCCATTTAGGCCATACCAATGTCATCCCAGA 1171
 Qy 1424 AGTTAAATTATAACCATTCGTTCTGATGAGCAGAACATAAAGCCATT 1483
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 1172 GGTCAAATTCAAAACCCCTGTCAGTAACTGTTGAGGATTTACATCTCCC 1231
 Qy 1484 GTTATGGTAAAGGTGTCAACCCAACCTGAAAGATA 1519
 Qy 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 1232 CTTCATGGAAAAGTGTGAATCCACCCAAAAATA 1267

; Patent No. US20020102531A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Horrigan, Stephen
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
 ; FILE OF INVENTION: Sets
 ; CURRENT APPLICATION NUMBER: US/09/964,824A
 ; PRIORITY APPLICATION NUMBER: US/09/964,824A
 ; PRIORITY FILING DATE: 2000-09-27
 ; PRIORITY FILING DATE: 2000-09-28
 ; PRIORITY APPLICATION NUMBER: US/60/236,033
 ; PRIORITY FILING DATE: 2000-09-28
 ; PRIORITY APPLICATION NUMBER: US/60/236,032
 ; PRIORITY FILING DATE: 2000-09-28
 ; PRIORITY FILING DATE: 2000-09-28
 ; NUMBER OF SEQ ID NOS: 583
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 545
 ; LENGTH: 1352
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)..(1352)
 ; OTHER INFORMATION: n-a,t,g or c
 ; US-09-964-824A-545

Query	Match	Score	Length
Qy	28.4%	433.2;	DB 10;
Db	59.8%	Pred. No. 7.	4e-102;
Db	0;	Mismatches	493;
Db	0;	Indels	0;
Db	0;	Gaps	0;
Qy	298	TGTGTGTAAGTGCCTGCTGTCAGGACCCATGGAAAGACCCCTAAGGGGACGGCG 357	
Db	54	TGGCAGGCCTGCTGCTCCGTGCTCCCTGTCAGGATCCGGGATGCTG 113	
Qy	358	CTCAAAACCCACACCGTATCAGCAGAACCCATGGCTTTTAAATAATTAATCTC 417	
Db	114	CCCGAGCAGACATACCTGCAACCATGATCAGGATCCACATGCAAGATCACC 173	
Qy	418	CAAAATTAGCCGAAATGCTTTCTCTTGTATAGACAAATTAGCTCATCAAGTAATCTA 477	
Db	174	CCACACTGGCTGAGTGGCCPTCAGGCTATACCGCCACACCCGTCACAGTCCACAGA 233	
Qy	478	CTAACATTTTTTAGTCGCTGHTCTCATGCOACTCTGCTCCATGTCATGTTAGCTA 537	
Qy	538	CTAAAGCGGATACCCATGAGGATTTAGGGTTAACCTTACCTGCAACCGGATTC 597	
Db	294	CCAGGGCTACACTCACATGAGGATAACTCCGCTTCAGCTGCTACCCCTTGCAATGCT 353	
Qy	598	CAGAGCCAAATTCAGGAGGTTTCAGAGTGTGAGACTTGTGAACTCTGATT 657	
Db	354	GGGGGCTCAGATCCATGAGGTTCAGGGTCAACTCCCTGCTACCCCTAACGGGATTC 413	
Qy	658	CTCAATTGAAATTACTCTGTTGCTGTTGAGCTTGTGCTGCAATGTCAGTGGT 717	
Qy	778	GTGATACTGAGGAACCTAAAGGAAATTAAATGTTGAGAAGGACCCAGGTA 837	
Db	474	ATAAGTTTGGGATTTAGTGTACCTGCAAGCTCCGCTGAGGTAGTGG 473	
Qy	718	ACAAATTCTGAGAACCTGAGGTTAACATTAGTGGCTTAAATCTGAGGCTTTAACCTG 777	
Db	534	GGACACCGAGGCAAGGCTGAGGAAAGTCAACCTGAGGTTAACCTGAGGCTTAAATCTG 593	
Qy	838	AGATCTGCTGACCTGAGTAAATTAGTCGATGACCTGCACTCTGCACTTCG 533	
Db	594	AAATTGTTGGATTTGGCAACGAGCTGTCAGGCTGAGGAAAGTCAACGGTACTCAAGGA 653	
Qy	898	TTTTTTCAAGGTTAAGGTTAAGGAACTGCTCTTGGGAAAGCTCCTTGGCTGGGAAATCA 957	
Db	654	TCTTCRTTAAGGCAATGGGAGAACCTTGGGAGAGAACCTTGGTAAAGTGAAGGAAAGTT 713	

RESULT 2
 US-09-964-824A-545
 Sequence 545, Application US/09/964/824A
 ; Sequence 545, Application US/09/964/824A

Query	Subject	Matches	729:	Conservative	0:	Mismatches	493:	Indels	0:	Gaps
Qy 958 TTCATGTTGATCAAAGTGTACTCTGTCAAAGTCCATTGATGAAAGACTGGGTATGTTCA 1017	Db 714 TCCACGTTGACCGGTTACCCACCGTGAAGGTGCCPATGATGAAAGGTTTGTGGCATGTTA 773	Qy 298 TGTGTTGTTAAAGTCCTGTGTTCCCCATGTCAGGGCCTAACGGGACGCCG 357								
Qy 1018 ATATTCAACATGCAAATAAATTAAAGTCTCTGGCTTATTAATGAAAGTTAGTAACG 1077	Db 774 ACATCCACGACTGTAAAGACTGTCCAGGGTCTGTGTGATGAAATPCCTGGCAATG 833	Db 73 TGGCAGGCTCCTGCTTGCTCCCTGTCCTGTGCTCAGGATCCAGGGATGATCCTG 132	Qy 358 CTCAAAAAACGGACACAGTCATCACGACCAAGAACCAAGCCATCCGACTTTTATAAAATTCCT 417							
Qy 1078 CTACTGCTATTTTTTACAGACGAAGGTAAGCTTCAACATTAGAAATGAGTTGA 1137	Db 834 CCACCGSCATCUTCTCCTGCTGTAGGGAAACTAAAGCACCTGGAAATGAACTCA 893	Db 133 CCCAGAGACAGATACATCCCACCATGATCAGGATCACCACGGTCAACAGATCACC 192	Qy 418 CAAATTAGCGGAATTGCGTTTCTTCTTSTATAGACATTAGTCATCAAAAGTAATTCTA 477							
Qy 1138 CTGATGACATTACTAAATTTTAGAGAACGAGGATGTCAGGCTCTGZAC 1197	Db 894 CCCACGATATCATCACCAGTTCCCTGAAATGAGACAAAGCTCCAGCTTACAT 953	Db 193 CCAACCTGGCTGAGCTGCCTACGCPATACCGCCACGTCGCAACAGTCACAGCA 252	Db 478 CTAACATTTTTTAGCTCTGTTCTATGCCATGTTGACTTTAGTTAGTGA 537							
Qy 1198 TGCCAAAGTTAAGTATCACCGGTACTTAGCAGCTTAAATCTGTTTACGACTTAAATCTGTTTACGAGTTAGTA 1257	Db 954 TAACCCAAACTGTCCATTCTGGGCTCCTGGTCAACTGGCA 1013	Db 253 CCAATATCUTCTCCTCCAGTGTAGCCTACGGCTACAGCTTTCGATCCTCGTGGGA 312	Qy 538 CTAANGCGATACCCATGAGGATTAGAAGGTTAAACTTTAAATTTGACCGAAAATTC 597							
Qy 1258 TTACCAAGTTTTCTAACGGTGTCCGATTTGACTGGTTTACTGAAGAAGTCCATTAA 1317	Db 1014 TCACTAAGCTTCAGCATGGGCTGACTCTCCGGGTCTCACAGGGGACCCCTGA 1073	Db 313 CCAAGGCTGACACTCACGATGAAATCTCTGGGCTGTAATTCACCTCAGGAGATC 372	Qy 598 CAGAAGCCAAATTCAGGAGGTTTCAAGAGSTTGTGAGAACTTGTGAACTTGAACCTGATT 657							
Qy 1318 AATTGAGTAAGCTGTTACAACCGCTTAACTATGATGAAAGGGTACCGAGGCCG 1377	Db 1074 AGCTTCCAAAGGCCCTGCTTAAGGCTGCTGACCATGACCGAAAGGACTGAAGCTG 1133	Db 373 CGGAGGCTCAGATCTGAGGCTCATGAGGGTCTCAGGAACCTCCACAGGCCAGACA 432	Db 658 CTCAAATGCAATTAAACTCTGTTAACCGGTTTAAATGTTGCAAGGTTTAAATGGTTG 717							
Qy 1378 CGGGGCTATGTTCTGGAGGTATTCCATGAGCATTCACCCAGTTAAATTAAATA 1437	Db 1134 CTGGGGCCATGTTTTAGGGCCATACCCATGCTATCCCGGAGGTCAAGTCAACA 1193	Db 433 GCGAGCTCAGCTGACCCGGGAATGCGCTGAGGCTCTGAAGCTAGTGG 492	Qy 718 ACAAAATCCTAGAAGACTCGAAGAACTATCATGAGGTTTACCGTTAATTTTG 777							
Qy 1438 AACATTGCTTTTCTGATGAGCAACTAAAGGCCATTGTTATGGTAAGG 1497	Db 1194 AACCCCTTGTCTCTTATGATGAAACATCCCTCATGGAAAAG 1253	Db 493 ATAGTTTGGAGGATTTGGCAAGGCTTAAAGCAAAATTAAATGATTTGAGAAAGGGCAGGSTA 837	Db 493 ATAGTTTGGAGGATTTGGCAAGGCTTAAAGCAAAATTAAATGATTTGAGAAAGGGCAGGSTA 837							
Qy 1498 TTGTCACCCAACCTCAGAGTA 1519	Db 1254 TTGTTGAACTCCACCAAATA 1275	Db 553 GGACACCGAAAGGCCAAACGATCAGATCAGGTTACTCAAGGG 612	Qy 838 AGATCGGTGACCTGAGTAAAGGTTAGCTGAGCTTCCACATGAGTTTACTATA 897							
Qy 838 TTGTTTCAAGGTTAAGTGGAAACCTCTGTTCAATGTAAGACTGAGGAAAGATT 957	Db 613 AAATTGGGATTTGGCAAGGCTTACAGAGACAGATGTTGAGTGTGGATTCA 672	Db 673 TCTTCCTTAAAGCCTGAGGAGACCCFTGAGTCAGGACGGAGGACT 732	Qy 938 TTTCATGTTGATCAAGTACTACTGTCAACTTCAATGTAAGACTGGTATGTC 1017							
Qy 938 TTTCATGTTGATCAAGTACTACTGTCAACTTCAATGTAAGACTGGTATGTC 1017	Db 733 TCCACGGCTGACCTGAGGTAACCCGGTGAAGGTGGCTTAGGATGTTA 792	Db 1018 ATATTCACATGCAAAATAATGTTCTGCTTATTAATGAGTTAGTTGA 1077	Qy 1078 CTACTGTCTATTTTACGAGGAGGTAGCTCAACATTAGAGATGTTGA 1137							
Qy 1078 CTACTGTCTATTTTACGAGGAGGTAGCTCAACATTAGAGATGTTGA 1137	Db 793 ACATCAGCTGACTGAGAACCTGCTGCTGAGTAAATVCCGGCAATG 852	Db 853 CCACCCACATCCTCCTCTGAGGAAACCTGACGACCTGAAATGAGCTCA 912	Qy 1138 CTCTGACATTACTAAATTGAGTTAGTTGA 1197							
Qy 1138 CTCTGACATTACTAAATTGAGTTAGTTGA 1197	Db 913 CCCACCATCATCACCAAGTCTCTGGAAATGAGRCAGAAGGTCTCC 972	Db 973 TACCCAAACTGTCATTTCTAACGTTGCTGTTACTGAGAACTGCTGCA 1032	Qy 1258 TTACCAAAGTTTTCTAACGTTGCTGTTACTGAGAACTGCTCATTA 1317							
Qy 1258 TTACCAAAGTTTTCTAACGTTGCTGTTACTGAGAACTGCTCATTA 1317	Db 1033 TCACTAAGGCTCTGACATGGGCTGACCTCCTGGGCTGAGGAGCACCCTGA 1092	Db 1093 AGCTTCACAGGGCTGCTGCTGAGCTGACCATGAGGGACTGAGCTG 1152	Qy 1318 ATTGAGTAAAGCTGTTACAAAGGCCCTTAACATTGATGAAAGGTTACCGAGGCGC 1377							

RESULT 3
US-09-964-824A-544
; Sequence 544, Application US/0964824A
; Patent No. US20020102531A1
; GENERAL INFORMATION:
; APPLICANT: Horrigan, Stephen
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE OF INVENTION: Sacs
; FILE REFERENCE: 689290-73
; CURRENT APPLICATION NUMBER: US/09/964 824A
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/964 824A
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/09/964 824A
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/09/964 824A
; NUMBER OF SEQ ID NOS: 583
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 544
; LENGTH: 1371
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1..1371)
; OTHER INFORMATION: n=a, t, g or c
US-09-964-824A-544

Query Match Score 433.2; DB 10; Length 1371;
Best Local Similarity 59.7%; Pred. No. 7.4e-102;

RESULT 5
US-09-964-824A-582
Sequence 582, Application US/09964824A
Patent No. US2020102531A1
GENERAL INFORMATION:
APPLICANT: Horrigan, Stephen
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
TITLE OF INVENTION: Sets
FILE REFERENCE: 689290-73
CURRENT APPLICATION NUMBER: US/09/964, 824A
CURRENT FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: US/60/236, 033
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US/60/236, 032
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US/60/236, 028
PRIOR FILING DATE: 2000-09-28
NUMBER OF SEQ ID NOS: 583
SOFTWARE: Patentin version 3.0
SEQ ID NO: 582
LENGTH: 594

; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID NO: 1989
; LENGTH: 594
Query Match 14.7%; Score 224; DB 10; Length 594;
Best Local Similarity 81.2%; Pred. No. 3e-48;
Matches 260; Conservative 0; Mismatches 60; Indels 0; Gaps 0;
Qy 12 TCTGAAAAGTCCTTCAAGGCCGGTTTGTCCACCAAGAAGTCGGTCAATGTTGAGA 71
Db 94 TCTGAAAAGTCCTTCAAAAGCTGACTCTGCCTTAAGAAATCTGCCAGTGCCCTAGA 153
Qy 72 TACAAGAACCCAGAGTCAATGCCAGTGAATGTTGAGA 131
Db 154 TACAAGAACCCAGTGAATGTTGAGA 213
Qy 72 TACAAGAACCCAGAGTCAATGCCAGTGAATGTTGAGA 131
Db 154 TACAAGAACCCAGTGAATGTTGAGA 191
Db 214 GACACTGTGTTGATCAAGTGTGACGCCAGTGTGACCCCCAACCCRAACTAGAAAG 191
Qy 132 GACACTGTGTTGATCAAGTGTGACGCCAGTGTGACCCCCAACCCRAACTAGAAAG 191
Db 214 GACACTGTGTTGATCAAGTGTGACGCCAGTGTGACCCCCAACCCRAACTAGAAAG 273
Qy 192 CCAGTAGTGTCCAGTACTTACCGTCAATGTTGATGTTGAAACCCACCAAACCTCTGT 251
Db 274 CCTGGAAAGTGGCCCATGCTGTTGACTATGCCAAATTTCTGT 333
Qy 192 CCAGTAGTGTGTTGATCAAGTGTGACGCCAACCCRAACTCTGT 251
Db 274 CCTGGAAAGTGGCCCATGCTGTTGACTATGCCAAATTTCTGT 333
Qy 252 GAAATGACGGTCAATGTAAGAGAGACTTGTGATGGTATGGTGTAGTC 311
Db 334 GAGATGGATGGCCATGCTGAACTGGCTGAATGTTGA 311
Qy 312 TGTTGTTCCCACTCAAGC 331
Db 394 TGCCTTCCCTGTGAAGC 413

RESULT 7
US-09-865-812-1
; Sequence 1, Application US/09865812
; Patent No. US20020115626A1
; GENERAL INFORMATION:
; APPLICANT: Rastelli, Luca
; APPLICANT: Smithson, Glenda
; TITLE OF INVENTION: Method of Detecting Inflammatory Lung Disorders
; FILE REFERENCE: 214/02-018 US
; CURRENT APPLICATION NUMBER: US/09/865.812
; CURRENT FILING DATE: 2001-05-28
; PRIOR APPLICATION NUMBER: 60/207,104
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 1
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-865-812-1

Query Match 14.7%; Score 224; DB 10; Length 594;
Best Local Similarity 81.2%; Pred. No. 3e-48;
Matches 260; Conservative 0; Mismatches 60; Indels 0; Gaps 0;
Qy 12 TCTGAAAAGTCCTTCAAGGCCGGTTTGTCCACCAAGAAGTCGGTCAATGTTGAGA 71
Db 94 TCTGAAAAGTCCTTCAAAAGCTGACTCTGCCTTAAGAAATCTGCCAGTGCCCTAGA 153
Qy 72 TACAAGAACCCAGAGTCAATGCCAGTGAATGTTGAGA 131
Db 154 TACAAGAACCCAGTGAATGTTGAGA 213
Qy 72 TACAAGAACCCAGAGTCAATGCCAGTGAATGTTGAGA 131
Db 154 TACAAGAACCCAGTGAATGTTGAGA 191
Db 214 GACACTGTGTTGATCAAGTGTGACGCCAGTGTGACCCCCAACCCRAACTAGAAAG 191
Qy 132 GACACTGTGTTGATCAAGTGTGACGCCAGTGTGACCCCCAACCCRAACTAGAAAG 191
Db 214 GACACTGTGTTGATCAAGTGTGACGCCAGTGTGACCCCCAACCCRAACTAGAAAG 273
Qy 192 CCAGTAGTGTCCAGTACTTACCGTCAATGTTGATGTTGAAACCCACCAAACCTCTGT 251
Db 274 CCTGGAAAGTGGCCCATGCTGTTGACTATGCCAAATTTCTGT 333
Qy 252 GAAATGACGGTCAATGTAAGAGAGACTTGTGATGGTATGGTGTAGTC 311
Db 334 GAGATGGATGGCCATGCTGAACTGGCTGAATGTTGA 311
Qy 312 TGTTGTTCCCACTCAAGC 331
Db 394 TGCCTTCCCTGTGAAGC 413

RESULT 6
US-09-954-456-1989
; Sequence 1989, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer Cells
; FILE REFERENCE: 689490-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; SEQ ID NO: 1989
; LENGTH: 594
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 1989
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-1989
Query Match 14.7%; Score 224; DB 10; Length 594;

; TYPE: DNA
; ORGANISM: Rattus norvegicus
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 M63991
; US-03-911-800A-1421

Query Match 14.2%; Score 216.6; DB 10; Length 1714;
Best Local Similarity 50.5%; Pred. No. 3.7e-6;
Matches 590; Conservative 0; Mismatches 564; Indels 15; Gaps 2;

Qy 372 ACCAGTCATCCACCAAGAACCTTCGCAATTAAATTACTCCAAATTAGGCCGA 431
Db 69 ACCCTGTCCTTGGCCCACAAATTGCCCCATCTCAATGCTGT 128

Qy 432 TTGCTTTCTTCAGCTGATAGACAATTAGCCTCATCAAAGTATTCTACATACTT 491
Db 129 TTGCTCTTCAGCTGATAGACAATTGGAACCCAGATTGGACATCTCTC 188

Qy 492 AGTCCCTGTTCTATTGCCACTCGCTTGCCTATGAGTTAGCTAAAGCGATAC 551
Db 189 TCCCTGAGGATATCGCCTATGCGCTTACGCTTCTTGGATCTGGCCTTAC 248

Qy 552 CATGAGGAAGATTAGGGTTAACCTTAATGACCCTAACCCAGAACCCAAAT 611
Db 249 CAAACACAGAATTCTGGAGCTCTGGGTITTAACCTCAGACACTCTGTGAAAGATT 308

Qy 612 CACGAGGTTTCAGAGTTGTTGAGAACCTTGATCACCCGTTGCAATTGCAATT 671
Db 309 CAACAGGGCTTCAGCATTTGATCTGGTTATTGAGTTGGAAATTG 368

Qy 672 ACTACTGGTAACGGTTTATTTGCTGAGGTTTAAATTGTTGACAATTCTCTAGAA 731
Db 369 CAGATGGAAATGCACTGGAGTTTATGGCAGACCTGGCAAAAGTTGGAT 428

Qy 732 GACGTCAAGAAACTPATATCATAGTGTGAAAGTTGGTGTACTGAGAA 791
Db 429 GATGTCAGACGCCCTCATGAACTGAAGCTTCTACTGACTCTCAATGTTCTGCA 488

Qy 792 GCTAAAAGGAAATTAAATGATTATGTTGAGTTGGCAACAGGTGAACTTGGCAATTGTTGACCTA 851
Db 489 GCCCAGCATGAGATAACAGTTATGTGAGAACCCAAAGGGAAATTGAGCTTA 548

Qy 852 GTTAAAGAATTAGATGCTGATAACGTTCTGACTTAACTTATTTTCAGGGT 911
Db 549 ATTCAAGACCTCAAACTGAACATTATCATGATCTGGTGAACATATTCAAGGC 608

Qy 912 AAGGGGAAGCTCTTGGGTTAAAGTACTGAGG--GAAGATTCTCATGTTGAT 968
Db 609 CAGTGGCAAAATCTTTCGTTCTGTATCTAAACAGAGAATTCCACTCTCAGTGGAC 668

Qy 969 CAATTACTACTGTCAAAGTCCAATGATGAAAGGGTATGTCATATICAACAT 1028
Db 669 AAGGGCACCACACTACAGGCCATGACCACTGAAACAACTATCATTAACGTT 728

Qy 1029 TGCAAAAAATTAAAGTCTGGTCATTAAATGAGTATTAGGTAACTGCTATT 1088
Db 729 GATGTTGGAGCTGATGTTACAGTCAACTCAAACTGGACTATAGTCGAAT 788

Qy 1089 TTTCCTTACCAAGCAAGGAGTAAAGCTCAACATTAGAGATGAGTTGACTCATGACATT 1148
Db 789 TTGTCCTTCAGGAGGACATGGATGGGTGAACGAGCATGTCATGAAACCA 848

Qy 1149 ATTACTAAATTAGGATGAGGATGAGGATGTCGTAACCTGGCAAAAGTTA 1208
Db 649 CTGAAGAAGTGAACCTTATGCAAGAAGGATGGTGAATGTTGTCACAAAGTT 908

Qy 1209 AGTATCAGGGTACTACGACTAAATCTGTTAGCCAGTTAGSTTACCAAAAGTT 1268
Db 909 TCCATUTCTGCCACATPATGACCTTGGAAAGTACACTTCAGAAGTGGATGGATGCC 968

Qy 1269 TTGCTGAAGTGTGACTGAGTGTGTTACTGAGGAGCTCCATTAAATGAGTAA 1328
Db 969 AGCATSGCTTCAGCATGTCATGTCATGAACTGGCAAAAGTCTGGAAAT 775

RESULT 10
US-09-880-107-2257

; Sequence 2257, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darcie T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scheff, Jwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIORITY DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: Genbank Version 2.1
; SEQ ID NO: 2257
; LENGTH: 1872
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 M14091
; US-09-880-107-2257

Query Match 12.6%; Score 192.8; DB 10; Length 1872;
Best Local Similarity 49.2%; Pred. No. 5.1e-10;
Matches 574; Conservative 0; Mismatches 577; Indels 15; Gaps 2;

Qy 373 CCAGTCATCAGCCAGAACCTGGCTTAAATAAAATTACTCCAAATTAGCCGAAAT 432
Db 416 CCTGGCCATTCTCCACCAATGGCACTCTACAGATGTCATCAATTGCTGACT 475

Qy 433 TTGCTTTCTCTGTATAGACAATTAGCTCATCARAGTAATTCTACTACATTTTTTA 492
Db 476 TTGCAATTCAATGTCACGGAGGTICACCTGGAGACCCAGATAAGAACATCTCTTT 535

Qy 493 GNCCTGTTCTATTGCCACTCTGGCTTTCGCGATTTAGGGTACTAAAGCCGATACCC 552
Db 536 CCCCTGGAGATTCTGCACCTTGTGCTTCTCCATTGGCCCTGTCAGCACCC 595

Qy 553 ATGACGAGATTAGGGTTAACTTAATTGACCSAATTCCAGAAGGCCAAATTC 612
Db 596 AAACCTAGATGTTGAGACCTTGGGTTCAACCTCAGACACTCCATTGGTAGAGTC 655

Qy 613 ACAGGGTTTCAGATGTTGAGACTTGTGAACTTGTGATCAACCTGATTCTCAATTAA 672
Db 656 AGCATSGCTTCAGCATGTCATGTCATGAACTGGCAAAAGTGGAAATTGC 715

Qy 673 CTACCTGAACTGGCTTATTTGCTGAGGTAAATTGTTGGTGAACATTGCAATTAA 732
Db 716 AGATAGGAATGCTGACTTCCCTGGAAATCAGTGGCAAAACTGGCAATCTGGAAAT 775

PRIOR FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 13
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1245)
; US-09-755-665-13

Query Match 12.6%; Score 192.2; DB 10; Length 1245;
Best local similarity 49.2%; Pred. No. 6e-40; Mismatches 348; Indels 6; Gaps 53;
Matches 53/;

Query	Subject	Start	End	Strand	Score	Mismatches	Indels	Gaps
QY 733	ACGTCAAGAACTATATCATAGTGGCTTTACCGTTAATTGGTATACTGAGGAAG	792	792	-	12.6%	348	6	53
Db 776	ATTCRAAACCTCTAAGACTGAGCTTGCTTCTACCGACTTCCACATTCCTGAG	835	835	-	49.2%	0	0	0
QY 793	CTAAAGCAAAATTAAATGATTATGGTGGAGAAAGGCCACCCAGTNAAGATCCTGTA	852	852	-	12.6%	348	6	53
Db 836	CAAGCAGGAGATAAACGTCATGTGGAGTCACCAAGGAAACTGTGGCTTAA	895	895	-	49.2%	0	0	0
QY 853	TAAAGAATTAGATCTGTAACCGCTTGCACACTTAACATTAATTTCAAGGGTA	912	912	-	12.6%	348	6	53
Db 896	TCAAGACCTAACACACACTATGGTAGAATATATTCACTTAACGCCC	955	955	-	49.2%	0	0	0
QY 913	ATGGAACTCCCTTTCAGGTAAAGTACAGAAGA--GGAGAATTTCATGTTGATC	969	969	-	12.6%	348	6	53
Db 956	ATGGCCAAATACCTTTGATCCATCCAAGAACAGCTTCCACCTTAAAGACA	1015	1015	-	49.2%	0	0	0
QY 970	AAGTTACTACTGTCAAAGTCCATGTAAGAAAGACTGGTGTCAATATTCACATT	1029	1029	-	12.6%	348	6	53
Db 1016	AGACCAACACTGTTCAAGTGCCTCATGACCAAGAACAAACTACCTAGTGG	1075	1075	-	49.2%	0	0	0
QY 1030	GCAAAAATTAAGTCTTGGCTTTATGAGATTAGAAGCTTGTGACCTACTGTT	1089	1089	-	12.6%	348	6	53
Db 1076	ATATGGRATGACTGACATGTCACATGTCAGTGCCTCATGACCAAGAACAA	1135	1135	-	49.2%	0	0	0
QY 1090	TTTTTTACCAAGCAAGGTAAGCTCAACATTTAGAGATGAGTTGACTCTGACATA	1149	1149	-	12.6%	348	6	53
Db 1136	TGTTCTCCZAGGGGAGAGTGGTCACTGGAGCTGACATGUCATAAACAC	1195	1195	-	49.2%	0	0	0
QY 1150	TTCTAAATTAGAACCAGGATCCTGTTGGCTTCTCGCACCTGCAAAAGTTA	1209	1209	-	12.6%	348	6	53
Db 1196	TGAAAGACTGAACTGGACCGGTATACAGAAGGGATGGTTGACTTGTTC	1255	1255	-	49.2%	0	0	0
QY 1210	GTATCACCGGTTACTAGACTTAAATCTCTTTAGGCCAGTTAGGTTAACCTTA	1269	1269	-	12.6%	348	6	53
Db 1256	CCATTCTCGCACATGACCTTGGCCACACTTGGCTTCTGAGATGGCTTCTG	1315	1315	-	49.2%	0	0	0
QY 1270	TTCCTAACGGTGGCCTTGTACTGAGAAGCTCCATTAATTTGAGTAAG	1329	1329	-	12.6%	348	6	53
Db 1316	ATTCGAAATGAAATGTTGGACTCAAGAGAACCTGAAAGTGTGAACCTTC	1375	1375	-	49.2%	0	0	0
QY 1330	CTGTCACAAAGCGCTTAACATATGATGAGGTTCTGGACTCAAGAGTGTG	1389	1389	-	12.6%	348	6	53
Db 1376	CTGCCATTAAGGTGTGTCACATGGTGAAGTGAAGTGTGAACCTTC	1435	1435	-	49.2%	0	0	0
QY 1390	TCCCTGAA-----GGTATCCAAATGACATTCCACCAAGAGTTAAATTAA	1437	1437	-	12.6%	348	6	53
Db 1436	AAGTGAACCTTCGGATCGCTGAAACACATTCCACCTTATCCAAATTGATA	1495	1495	-	49.2%	0	0	0
QY 1438	AACCATTCGTTCTCTGATCGAGAACACATAAAAGCCATGTTTGGTTAAGG	1497	1497	-	12.6%	348	6	53
Db 1496	GATCTTCAGCTGGTGAATTGGTAGGAGAACAGGATTCTCTTCTAGGGAAAG	1555	1555	-	49.2%	0	0	0
QY 1498	TGTGCAACCAACTAGAAGTAGTGTG	1523	1523	-	12.6%	348	6	53
Db 1556	TGTGAAACCAACGGAGCCAGTGTG	1581	1581	-	49.2%	0	0	0

RESULT 11
US-09-755-665-13
Sequence 13, Application US/09755665
Patent No. US20020107186A1
GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Majumder, Kumud E.
; APPLICANT: Tallion, Bruce E.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spyrek, Kimberly A.
; APPLICANT: Machoughal, John
TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 15966-631
CURRENT APPLICATION NUMBER: US/09/755,665
CURRENT FILING DATE: 2001-08-14
PRIOR APPLICATION NUMBER: U.S.-S.N. 60/174,724

QY 1089 TTCTTTTACCAAGGAGTAACTTGTGAGATGAGTTGACTCTGATGACATT 1148
Db 874 TTCTCCAGATGGAAAATTACTGTCAACCTGGTCTGAGCTGTCGACAGTC 933
Db 814 TTCATCCCTCTGTGAGGGCAAGCTGAAAGCAGTCTGGTGGACACT 873
QY 1209 AGTATCCCGGTACTAGACTTAACTGTTAGGGTAACTGCTGAAAGTA 1208
Db 934 CACATGCGGGACCTCGACCTGAAAGACTCTCTCATAGGTGTC 993
QY 1269 TTTCCTAACGGTCCGTTGAGTGGTTACTGAAGAACTCCATTAAATGAGTAA 1328

RESULT 12
US-09-917-800A-1325
; Sequence 1325, Application US/09917800A
; Patent No. US2002119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Cory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038 US
; CURRENT APPLICATION NUMBER: US 09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 1325
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 D00753

Query Match 12.0%; Score 182.6; DB 10; Length 2051;
Best Local Similarity 50%; Pred. No. 2.2e-37;
Matches 499; Conservative 0; Mismatches 484; Indels 6; Gaps 2;

Db 994 TTTGAGGAACATGGTCACTACCAAGTCGCCCTCATCGCAGCTGAAAGTGGCGAG 1053
Qy 1329 GCTCTTCACAAGCCGTGTTAACATGATGAAAGGTACCGAGCCGGCTATG 1388
Db 1054 GCTTGCAACAGCTGACTGATGAGATGATGAGGGTAGGGCTGGCTGCACCC 606
Qy 1389 TTCTGGAAGCTATTCCATGAGCTTACCGGCTACAGGAGATGAAAGCTGAC 1113
Qy 1449 TTCTGATGATGAGCTGGCATGAGCTAACACTGTTAGGGTAAGGTGCAACCCA 1173
Db 1114 GGACCACAGACCTGCCCAGTGGAGACACACTGGCATGAGCTAACCTATCG 1448
Qy 1477 TTCTGATGATGAGCTGGCATGAGCTAACACTGTTAGGGTAAGGTGCAACCCA 1508
Db 1174 CTGCTGTTTACAGCGAGAAAATACCTCCGTGCTGGAAAGTGGTAACCCCT 1233
Qy 1509 ATCTCAGAGCTTA 1519
Db 1234 ATTGGAAATA 1244

Db 298 TCCTCTCCCCACTAGCATCTGCCCTTGCCCTCTGGCTGCTGGCTGGAGCTGG 357
Qy 547 ATACCATGACAGAGTTAGGGTTAACCTTAACTTGTGACCTAACCTTAACTTGTGACCTGG 605
Db 358 ACAGCATGGAAAGATCTGAGCTAACCTGACAGGCTAACCTGAC 417
Qy 607 AAATTCACTGGTTTCAAGGTTAACCTGACATGAACTTGTGACCTGAC 466
Db 418 AAATCCACGGGGCTGGACCCCTCCAGAGCTCACCCCTGAGCTGG 477
Qy 667 AATTAATCTGTAAGGGTTATTTGTCTGTAAGGGTTAACATTGGTGTACCTG 726
Db 478 AGATCACTACAGGCTGCTGGCTGCTGGCTGGAGCTAACCTGAC 597
Qy 727 TAGAACAGCTGTCAGAAACTATATCATAGCTGGCTTACCGGTTAACCTGGTGTACCTG 786
Db 538 AGGAGAGGCAAGGGCTGACCCCTGAGGGCTGAGCTGGCTGGAGCTGG 597
Qy 787 AGGAAGCTAAAGGAAATTAATGATGATGATGTTGAAAGGCTGGTAAGTGGTT 846
Db 598 GTGAGCCAAAAAGCTCAATGACTATGAGTAACAGCCGGAGATCTGAG 657
Qy 847 ACCTAGTTAAAGAATTAGCTGATACCGCTCTGGACTAGTTAACCTATTTTCTCA 906
Db 658 GACTGATCRAAACCTAGCTTAAGAGACATCCATGGTACTGGTAATCTACTTTA 717
Qy 907 AGGTAACTACTCTGAAAGTCTGACCTGAAAGCTGGTGTGAGCTGGTGTACCTG 966
Db 718 AAGGAAATGGAACTGGACATTCGGACAACTTGGCTGGAGCTGGTGTACCTG 777
Qy 967 ATCAGTTTACTACTCTGAAAGTCTGAAAGCTGGTGTGAGCTGGTGTACCTA-- 1024
Db 778 GCAGGGAGGGCCTGAGCTGAAAGTGGCTGAGCTGGACCTGACCCCTACG 837
Qy 1025 -ACATTGCAAAATTAATGTTCTGGCTCTTAAATGAGTAAAGCTGACTGTTGACTCTG 1143
Db 838 TCCGGGATGAGGGCTGACTGTTGAGCTGGTGTGAGCTGGTGTACCTG 1083
Qy 1084 CTATTTTTTACCAAGCAGGTTCAACATTGAGTAATGAGTAAAGCTGACTGTTGACTCTG 1143
Db 898 CCCTGTGTTATCCCTCCCTGACCCGGCAAGTGGCTGAGCTGGTGTGAGCTGGCCTGAC 957
Qy 1144 ACATTAACTAAATTAGA---GAACGAGGATCTGCTGAGCTGGTGTGAGCTGG 897
Db 958 AGACCTTGGAGATGGAGCTCTGAGCTGGTGTGAGCTGGTGTGAGCTGG 1017
Qy 1201 CAAGTTGATGATCAGGGTACTTACCGCTTAAATCTGTTAGCCAGTTAGGTATA 1260
Db 1018 CCAGATCTCCATCTGCTGAGCTGGTGTGAGCTGGTGTGAGCTGGCCTGAC 1077
Qy 1261 CCAAGTTTCTGAGCTGGTGTGAGCTGGTGTGAGCTGGTGTGAGCTGG 1320
Db 1078 AAGAAGCTTCAGCTGGATCAGGGTGTGAGCTGGTGTGAGCTGGCCTGAC 1137
Qy 1321 TGAGTAAGCTGGTTCAAAAGCTGCTTACTATGAGAAGGTTCAATTAAAT 1320
Db 1138 TCTCTCAGGTGCTGGATCAGGGTGTGAGCTGGTGTGAGCTGGCCTGAC 1380
Qy 1381 GCGCTATGTTCTGGAGCTGGTGTGAGCTGGTGTGAGCTGGCCTGAC 1197
Db 1198 CTGCCACAGGGTCAAAATTGTTCCCTAAT 1226

RESULT 13
US-09-917-800A-1325-12287
; Sequence 12287, Application US/09960352
; Patent No. US2002137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Ningbing
; APPLICANT: Bryant, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND

; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO: 12287
; LENGTH: 391
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 52-LIB34-079-Q1-E1-E8
; US-09-960-352-12287

Query Match 10 6%; Score 161; DB 10; Length 391;
Best Local Similarity 64.2%; Pred. No. 3 8e-32; Indels 0; Gaps 0;
Matches 242; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

QY 660 CAATTGCAATTAACTACTGGTAACGGTTTATTTGTCTGAACGTAAATTGGTTGAC 719
Db 2 CAGCTGCAACTGACCACTGGCAACCTGGCTGTCAATAGAAGTGCRAAAGTAGTGGAT 61
QY 720 AAATTCCTAGAGACGTCAGAACTATACTCATATGTAGGCTTTACCGTTAATTGGT 779
Db 62 ACGGTTTTGGGGATOTCAAGAACCTGTATCACCTCGAGCTCATCACTTCACTAGG 121
QY 780 GATACTGGAGGAGCTAAAACCAAATTAAATGATATGTGAGAAAGGCCACCGGTTAAG 839
Db 122 GATGGTGGCCAGAGAAGTGGATAGAAGTCAAGGAGCATGGAAAA 181
QY 840 ATCGTTGACCTAGTTAAAGAATTAGATCGNATACCGCTTCGACTAGTAACTATTT 899
Db 182 ATTCGGGAGTTGTTAAAGGTTCTGCCAACACAGTTTGCTCTGTGTTACATT 241

RESULT 15
US-09-960-352-14649
; Sequence 14649, Application US/09960352
; Patent No. US2002013713A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLECTANT: Tao, Nengbing
; APPLICANT: Bryant, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: MUSCLE ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO: 14649
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 62-LIB34-086-Q1-E1-H6
; US-09-960-352-14649

Query Match 8.9%; Score 135.8; DB 10; Length 444;
Best Local Similarity 58.2%; Pred. No. 1.2e-25;
Mismatches 0; Indels 0; Gaps 0;

QY 900 TTTCCTAAGGTAAGTGGAAAGTCCTTTCGAGGTAAAGATCTGAAGAGAGATTT 959
Db 242 TCCTTTAAGGAAATGGAGAAGCCCTTCAGAATGAAAGCACCACAGAGGACFTC 301
QY 960 CATTGTGATCAAGTTACTACTGTCAAAGTTCCAATGATGAAAGACTGGTATGTTCAAT 1019
Db 302 CATGGGAGGCAAACTGGAAGTGGCCATGATGAACGCCCTGGCATGTTGAC 361
QY 1020 ATTCAACATGGCAAAA 1036
Db 362 CTCCCACTACTGGCACAA 378

RESULT 14
US-09-960-352-10531
; Sequence 10531, Application US/09960352
; Patent No. US2002013713A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Bryant, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: MUSCLE AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO: 10531
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (398)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: 45-LIB34-014-Q1-E1-D2
; US-09-960-352-10531.

Query Match 9.6%; Score 146.4; DB 10; Length 430;
Best Local Similarity 60.5%; Pred. No. 2.3e-28;

Qy	646	ATCAAACCTGATTCTCAATTCAATTAACTACTGGTAACCGTTTATTGTCTGAAGTT	705
Db	274	ACCAGCCAAACCAACCAAGCTGCAACTGACCAACTGCCAAGTGTCATCATGAGCTG	333
Qy	706	TAAAATTGGTGCACAAATTCTAGAACAGCTCAAGAACCTATATCAGTGAAGCTTTA	765
Db	334	CAAAGCTAGTGGATACTGGTTGGAGGTGTCAAAGAACCTGTATCACTCCGAAAGCTCT	393
Qy	766	CCGTTAATTGGTGTAACTGGAAAGTAAAGCAATTAAAGCAATTAAAGCAATTATG	816
Db	394	CCATCAACTCAGGGATGCTGAGGCCAAGNAGAAGATCHAACGTTATG	444

Search completed: December 6, 2002, 23:36:41
Job time : 61.5 secs

